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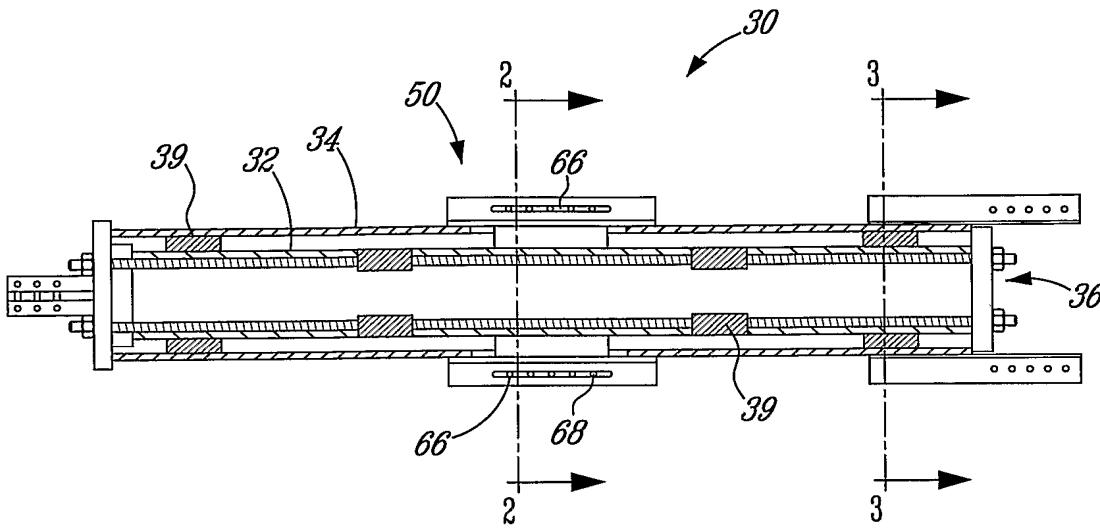
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**(54) Title:** SELF-CENTERING ENERGY DISSIPATIVE BRACE APPARATUS WITH TENSIONING ELEMENTS



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**(57) Abstract:** The present invention generally relates to a self-centering energy dissipative brace apparatus. A bracing system is often needed to stabilize, strengthen or stiffen structures such as buildings which are subjected to severe or extreme conditions. The brace apparatus may be installed in a structure to dissipate input energy and minimize residual deformations related to exceptional loading imposed on the structure by winds, earthquakes, impacts or explosions. The apparatus integrates self-centering properties and energy dissipative capacities which help minimize structural damage.